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IN THE U.S. PATENT AND TRADEMARK OFFICE  
Patent Application Transmittal Letter

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

JC960 U.S. PTO  
09/754687

01/03/01

Sir:

Transmitted herewith for filing under 37 CFR 1.53(b) is a(n):  Utility  Design  
 original patent application,  
 continuation-in-part application

INVENTOR(S): Karla M. Robotti and Hongfeng Yin

TITLE: Methods of Using Chemico-Mechanical Microwave Devices  
for the Selective Separation of Components from Multi-Component  
Fluid Samples

Enclosed are:

The Declaration and Power of Attorney.  signed  unsigned or partially signed  
 1 sheets of drawings (one set)  Associate Power of Attorney  
 Form PTO-1449  Information Disclosure Statement and Form PTO-1449  
 Priority document(s)  (Other) Assignment (fee \$ 40 )

| CLAIMS AS FILED BY OTHER THAN A SMALL ENTITY    |                     |                     |             |               |
|---|---------------------|---------------------|-------------|---------------|
| (1)<br>FOR                                      | (2)<br>NUMBER FILED | (3)<br>NUMBER EXTRA | (4)<br>RATE | (5)<br>TOTALS |
| TOTAL CLAIMS                                    | 20 — 20             | 0                   | X \$18      | \$ 0          |
| INDEPENDENT CLAIMS                              | 3 — 3               | 0                   | X \$80      | \$ 0          |
| ANY MULTIPLE<br>DEPENDENT CLAIMS                | 0                   |                     | \$270       | \$ 0          |
| BASIC FEE: Design \$320.00 ; Utility \$710.00 ) |                     |                     |             | \$ 710        |
| TOTAL FILING FEE                                |                     |                     |             | \$ 710        |
| OTHER FEES                                      |                     |                     |             | \$ 40         |
| TOTAL CHARGES TO DEPOSIT ACCOUNT                |                     |                     |             | \$ 750        |

Charge \$ 750 to Deposit Account 50-1078. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 50-1078 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 50-1078 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this sheet is enclosed.

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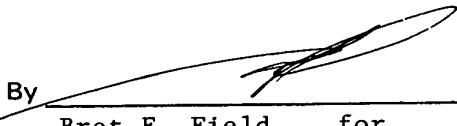
Respectfully submitted,

Date of Deposit 01/03/01

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

By 

Typed Name: Margaret Pierce

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Bret E. Field for  
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Margaret Pierce

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M. Pierce

Signature of Person Mailing Paper or Fee

## PATENT APPLICATION

### FOR

Methods of Using Chemico-Mechanical Microvalve Devices for the  
Selective Separation of Components from Multi-Component  
Fluid Samples

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